4-174-732-**15**(1) SONY

# FM Clock Radio

Operating Instructions

ICF-C05iP

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No Power No Problem is a trademark of Sony Corporation

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http://www.sony.net/

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### **Owner's Record**

Instructions

Record the serial number in the space provided below Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. ICF-C05iP

Serial No.

For customers who purchased this product in the  $\,$ 

Please register this product on line at http://www.sony.com/productregistration Proper registration will enable us to send you periodic mailings about new products, services, and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you

### WARNING

### To reduce the risk of fire or electric shock, do not expose this apparatus to rain or

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

As the main plug of AC power adaptor is used to disconnect the AC power adaptor from the mains, connect it to an easily accessible AC outlet. Should you notice an abnormality in it, disconnect it from the AC outlet immediately

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this

#### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same type.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. - Increase the separation between the
- equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/

#### TV technician for help. WARNING

- Replace the battery for the clock backup with a Sony CR2032 lithium battery only. Use of another battery may present a risk of fire or
- Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.
- Dispose of used battery promptly. Keep away from children

## **Important Safety**

1) Read these instructions

Keep these instructions.

6) Clean only with dry cloth.

3) Heed all warnings.

4) Follow all instructions

5) Do not use this apparatus near water.

- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's
  - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce
  - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11) Only use attachments/accessories specified by the manufacturer.
  - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### For the state of california, USA only

Perchlorate Material -special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate Perchlorate Material: Lithium battery contains perchlorate

### **Features**

- Wake or sleep to iPod<sup>®</sup>/Radio
- FM digital synthesized tuner • 20 Station Presets (20 FM)
- Brightness Control (High/Mid/Low/Off)
- Extendable Snooze system from 10 to 60 min • No Power No Problem alarm system to keep
- the clock and the alarm operating during a power interruption with a CR2032 battery

### **Precautions**

- Play the unit on the power source specified in "Specifications."
- To disconnect the AC power cord (mains lead), pull it out by the plug, not the cord.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the
- Do not leave the unit in a location near a heat source such as a radiator or airduct, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, a blanket, etc.) or near materials (a curtain) which might block the ventilation holes.
- Should any solid object or liquid fall into the unit, unplug the unit and have it checked by qualified personnel before operating it any further.
- To clean the casing, use a soft cloth dampened with a mild detergent solution.
- Never touch the wire of the external FM antenna during a thunderstorm. Furthermore immediately disconnect the AC power cord

#### **NOTES ON LITHIUM BATTERY**

- Wipe the battery with a dry cloth to assure a
- good contact. • Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

# **Troubleshooting**

Should any problem persist after you have made the following checks, consult your nearest Sony

#### The clock flashes "AM 12:00" due to a power interruption.

• Check the battery indicator. If the battery indicator is "⇔," replace the battery. Remove the old battery and install a new one

#### The radio, iPod or buzzer alarm does not sound at the preset alarm time.

Check that alarm is properly displayed.

The radio or alarm of iPod is activated but no sound comes on at the preset alarm time.

• Check the alarm volume setting.

### There is no sound from the iPod.

 Make sure the iPod is securely connected. • Adjust the **VOLUME** +

The iPod cannot be operated with this unit. Make sure the iPod is securely connected.

### The iPod cannot be charged.

Make sure the iPod is securely connected.

### When daylight saving time begins, the clock does not employ the daylight saving time

- automatically.
- Press DST/SUMMER TIME to check that the "#" indicator appears.

### **Specifications**

Time display

12-hour system Section for iPod

DC out: 5 V MAX: 500 mA

### Radio section

	,,,		
	Band	Frequency	Channel step
	FM	87.5 MHz - 108 MHz	0.1 MHz

### FM General

## Speaker

Approx. 5 cm (2 inches) dia, cone type, 16  $\Omega$ 

### Power output

0.8 W (at 10 % harmonic distortion) Power requirements

#### DC IN 8V (♦ € ♦ ) 1 A For clock back up: 3V DC, one CR2032 battery

 $(5^{3}/8 \text{ inches} \times 2^{5}/8 \text{ inches} \times 5 \text{ inches})$  not

**Dimensions** Approx. 134.0 mm  $\times$  64.0 mm  $\times$  124.5 mm (w/h/d)

#### including projecting parts and controls Mass

Approx. 410 g (14.5 oz) including power supply

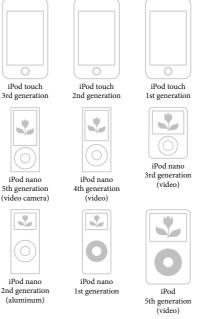
# Supplied accessories

AC Power adaptor (1) Universal Dock Adaptor for iPhone (1) Universal Dock Adapter for iPhone 3G & iPhone 3GS (1) Universal Dock Adapter for iPhone 4 (1)

Design and specifications are subject to change without notice.

### Compatible iPod/iPhone® models

battery Compatible iPod/iPhone models are as follows. Update your iPod/iPhone to use the latest To keep accurate time, this unit contains a software before you use it. CR2032 battery inside of the unit as a backup











iPod mini

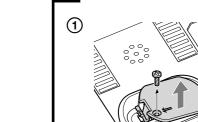
• In these Operating Instructions, "iPod" is used as a general reference to functions of iPod on an iPod or iPhone, unless otherwise specified by the text or illustrations.

• Sony cannot accept responsibility in the event

when using an iPod connected to this unit.

that data recorded to an iPod is lost or damaged

• The connector of the unit is for sole use with an iPod/iPhone



About the backup

of a power interruption.

battery

the display.

explosion.

The battery keeps the clock operating in the event

Knowing when to replace the

When the battery becomes weak, "⟨□" appears in

If a power interruption occurs while the battery is

weak, the current time and alarm will be erased.

Replace the battery with a Sony CR2032 lithium

battery. Use of another battery may cause a fire or

**1** Keep the AC plug connected to the AC

outlet, remove the screw that secures the

battery holder at the bottom of the unit

using a screwdriver, and remove the

battery holder (See fig. A -1).

**2** Replace a new battery in the battery

holder with the **•** side facing up

**3** Insert the battery holder back into the

4 Press iPod & iPhone · ►II, SNOOZE/

When you replace the battery, do not disconnect

the AC power adaptor from the unit. Otherwise,

current time, alarm and station presets will be

BRIGHTNESS or FM to turn "△¬" off in

unit and secure it with the screw

(See fig. A -2).

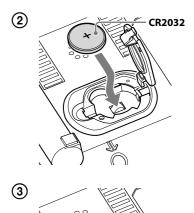
(See fig. A -3).

the display.

Note

erased.

Replacing the battery



# (See fig. **B**)

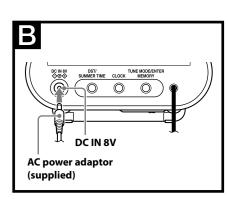
Use only the AC power adaptor supplied. Do not use any other AC power adaptor. It may cause a

### On the AC power adaptor

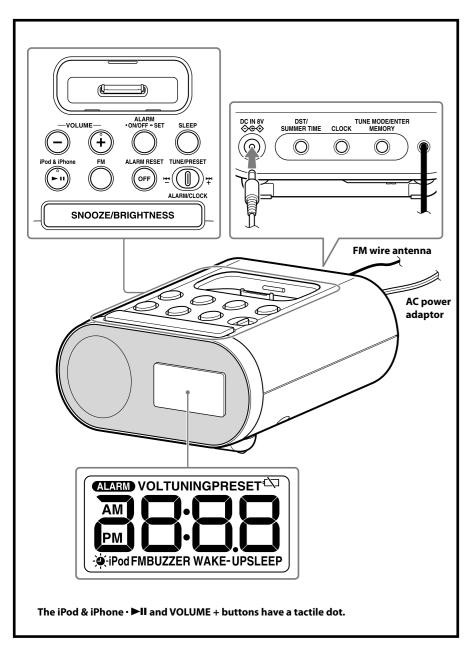
- Use the supplied AC power adaptor only. The polarity of the plugs of other manufacturers may be different. Failure to use the supplied AC power adaptor may cause the unit to malfunction
- Do not touch the AC power adaptor with wet
- Connect the AC power adaptor to an easily accessible AC outlet.

Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet





# **Using House Current**



### Setting the clock

- 1 Plug in the unit.
- 2 Press and hold **CLOCK** until the hour flashes in the display.
- The hour starts to flash in the display. 3 Press ALARM/CLOCK + or - repeatedly to set the hour
- 4 Press CLOCK.
- 5 Repeat steps 3 and 4 to set the minute, and then press **CLOCK**.

### The seconds start incrementing from zero

- If you do not press any button for about 1 minute while setting the clock, the clock setting will be canceled.
- When pressing any of the rear buttons, hold the unit firmly to prevent slippage.

### To change the display to the daylight saving time (summer time) indication

Change the daylight saving time (summer time) adjustment setting according to the following

#### Press DST/SUMMER TIME

"\*" appears in the display and the time indication changes to the daylight saving time (summer

To deactivate the daylight saving time (summer time) adjustment, press **DST/SUMMER TIME** again. "\*" disappears.

## **Setting the brightness** of the display

Four levels of brightness are available by pressing **SNOOZE/BRIGHTNESS**.

 $High (default) \rightarrow Middle \rightarrow Low \rightarrow Off -$ 

### Playing the radio

There are two ways to tune. To switch between the two tuning methods (manual tuning or preset), press **TUNE MODE/ ENTER·MEMORY**.

### **Auto preset**

You can preset 20 stations for FM.

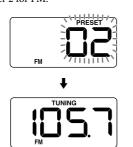
- 1 Press **FM** to turn on the radio.
- 2 Press and hold FM until "AP" appears in the display.
- 3 Press TUNE MODE/ENTER · MEMORY. The unit automatically presets the available channels in order

### If a station cannot be preset automatically

You need to preset a station with a weak signal

- 1 Follow steps 1 and 2 in "Manual tuning mode" to tune the frequency you wish to preset.
- 2 Press and hold TUNE MODE/ENTER. **MEMORY** for preset number until the flashes.
- 3 Press TUNE/PRESET I or ►► to select the preset number, then press TUNE MODE/ENTER • MEMORY. The frequency is stored with the selected

**Example:** The following display appears when you preset FM 105.7 MHz to preset number 2 for FM.



The display shows the frequency for about 10 seconds, and then returns to the current time

To preset another station, repeat these steps.

If you try to store another station with the same preset number, the previously stored station will be replaced.

- 1 Press **FM** to turn on the radio. Check that the preset mode is selected
- 2 Press TUNE/PRESET I or ►► to
- select the desired preset number. **3** Adjust the volume using

# **VOLUME** + or -.

Manual tuning mode

Preset tuning mode

- 1 Press **FM** to turn on the radio. Check that the manual tuning mode is
- 2 Press TUNE/PRESET I or ►► to tune in to a desired frequency.
- **3** Adjust the volume using **VOLUME** + or -.

### Tuning in to a station

The unit automatically scan FM stations.

- **1** Press **FM** to turn on the radio. Check that the manual tuning mode is
- 2 Press and hold TUNE/PRESET I or

: scans upward through the frequency

**I** : scans downwards through the frequency bands. Scanning starts from the currently-tuned

frequency. When a station is received, scanning stops.

**3** Adjust the volume using VOLUME + or -.

### Improving the reception

FM: Extend the FM wire antenna fully to increase reception sensitivity.

#### Notes on radio reception

- Keep digital music players or mobile phones away from the FM antenna, as this may lead to reception interference.
- When you are listening to the radio with an iPhone connected to the unit, interference with radio reception may occur.
- When you are listening to the radio while charging an iPod, interference with radio reception may occur.
- Do not place the FM antenna close to the AC power adaptor as noise may result.

# Playing an iPod

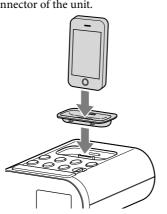
You can enjoy audio from iPod by connecting to this unit. To use an iPod, refer to the user's guide of your iPod. If you are using an iPhone, iPhone 3G, iPhone

3GS or iPhone 4, attach the supplied universal dock adapter for iPhone, iPhone 3G, iPhone 3GS or iPhone 4 before connecting. The adapter number, ②, ⑤ or ⑥, is shown on the bottom-rear of the supplied universal dock adapters. (12) is for the iPhone. (15) is for the iPhone 3G & iPhone 3GS and (19) is for the iPhone 4. Check the adapter number before use

### Universal dock adaptor



- When inserting an iPod into the unit, be sure to use the universal dock adaptor supplied with your iPod or commercially available from Apple Inc.
- The connector of the unit is exclusively for use with an iPod.
- Sony cannot accept responsibility in the event that data recorded on an iPod is lost or damaged when using an iPod connected to this
- · For details of environmental conditions for operating your iPod, check the website of Apple
- 1 Attach the adaptor for your iPod/iPhone.
- **2** Insert your iPod/iPhone into the connector of the unit.



- 3 Press iPod & iPhone · ►II.
- The iPod begins to play automatically You can operate the connected iPod by this unit or the buttons on iPod.
- **4** Adjust the volume using **VOLUME +** or

Press

Turn off the iPod	OFF, or press and hold iPod & iPhone · ►II
Pause playback	iPod & iPhone • ▶II  To resume play, press it again.
Go to the next track	<b>▶</b> ▶I
Go back to the previous track	<b>I44</b> *
Locate a point while listening to the sound	►► (forward) or ►► (backward) while playing and hold it until you find the point.
Locate a point while observing the display	►► (forward) or I (backward) in pause and hold it until you find

\* During playback, this operation goes back to the beginning of the current track. To go back to the previous track, press twice.

### Notes

То

- When placing or removing the iPod, hold the iPod at the same angle as that of the connector on this unit, and do not twist or bend the iPod as connector damage may result.
- Do not carry the unit with an iPod set on the connector. Doing so may cause a malfunction
- When placing or removing the iPod, hold the
- Before disconnecting the iPod, pause playback.

### To use the unit as a battery charger You can use the unit as a battery charger.

iPod firmly so as not to topple the unit.

Charging begins when the iPod is connected to Charging status appears in the display of iPod. For details, see the user's guide of your iPod.

### On copyrights

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries

"Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone. respectively, and has been certified by the developer to meet Apple performance standards Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

### Setting the alarm

This clock radio is equipped with 3 alarm modes—iPod, radio and buzzer. Before setting the alarm, make sure to set the clock (see "Setting the

#### To set the alarm

- 1 Press and hold ALARM SET. "WAKE-UP" appears, and the hour flashes in the display.
- 2 Press ALARM/CLOCK + or repeatedly until the desired hour appears. To cycle the hour rapidly, press and hold ALARM/CLOCK + or -
- 3 Press ALARM · ON/OFF.

The minute flashes

- 4 Repeat step 2 to set the minute.
- **5** Press ALARM · ON/OFF. The alarm mode setting is entered
- 6 Press ALARM/CLOCK + or repeatedly until the desired alarm mode flashes. You can choose one of 3 settings: "iPod", "FM" or "BUZZER." Set the alarm mode as follows: iPod: see "A Setting the alarm for iPod." - FM: see "B Setting the radio alarm."

- BUZZER: see "C Setting the buzzer alarm."

- A Setting the alarm for iPod
- 1 Perform steps 1 to 6 in "To set the alarm."
- 2 Press ALARM · ON/OFF to select alarm mode for "iPod". "VOL" appears in the display
- **3** Press **ALARM/CLOCK +** or **-** to adjust the volume.
- 4 Press ALARM · ON/OFF. The setting is entered
- **5** If "ALARM" does not appear in the display, press ALARM · ON/OFF again. The iPod will sound at the set time

### When using an iPod touch/iPhone

- To wake up to music stored in an iPod touch/ iPhone, connect the iPod touch/iPhone to the unit first, follow the steps above to set alarm time, and then select the music function.
- Even if the alarm setting for iPod is complete, if you turn the power of iPod touch/iPhone off before inserting the iPod touch/iPhone into the unit, the alarm for iPod will not work.

### **B** Setting the radio alarm

- 1 Perform steps 1 to 6 in "To set the alarm"
- 2 Press ALARM · ON/OFF to select "FM" alarm mode. "FM", "PRESET" number or "--" flashes. – " is the last station received.
- 3 Press ALARM/CLOCK + or to select the desired preset number or "--".
- 4 Press ALARM · ON/OFF.
- "VOL" appears in the display **5** Press **ALARM/CLOCK** + or – to adjust the volume.
- **6** Press **ALARM · ON/OFF**.
- **7** If "ALARM" does not appear in the display, press ALARM · ON/OFF again.

### C Setting the buzzer alarm

- 1 Perform steps 1 to 6 in "To set the alarm'
- 2 Press ALARM · ON/OFF to select "BUZZER" alarm mode. The setting is entered.
- **3** If "ALARM" does not appear in the display, press ALARM · ON/OFF again.

The volume cannot be set for the buzzer alarm.

## To confirm an alarm time setting

Turn off the "ALARM" indicator in the display, and press the ALARM · ON/OFF button once

#### To change an alarm setting Set the alarm again.

#### To doze for a few more minutes Press SNOOZE/BRIGHTNESS.

The sound turns off but will automatically come on again after about 10 minutes

You can change the snooze time by pressing SNOOZE/BRIGHTNESS repeatedly within

The maximum length of the snooze time is

#### To stop the alarm

Press **ALARM RESET · OFF** to turn off the alarm. The alarm will sound again at the same time the next day.

Press ALARM · ON/OFF to turn off the "ALARM" indicator from the display

#### Note on the alarm in the event of a power interruption

In the event of a power interruption, the alarm will work until the battery is totally discharged. However, certain functions will be affected as

- The backlight will not light up.
- If the alarm mode is set to iPod or radio, it will change to BUZZER automatically.
- If a power interruption occurs while the alarm is sounding, the alarm will stop.
- If ALARM RESET OFF is not pressed, the alarm will sound for about 5 minutes.
- If "☼" appears in the display, the alarm will not sound in the event of power interr
- Replace the battery if "t\sign" appears. The snooze function will not work.
- During a power interruption, the alarm will sound at the set time only once.

### Setting the sleep timer

You can fall asleep to the music, etc., using the built-in sleep timer that turns off the unit automatically after a preset duration.

- **1** Press **SLEEP** while the unit is turned on. "SLEEP" appears and the sleep time flashes in the display
- **2** Press **SLEEP** to set the sleep timer duration.

Each time you press **SLEEP**, the duration (in minutes) changes as follows:

$$90 \longrightarrow 60 \longrightarrow 30 \longrightarrow 15$$

$$\bigcirc OFF \longleftarrow$$

The display returns to clock mode for about 4 seconds after you have finished the duration setting and released **SLEEP**, and then the sleep

timer starts. The unit will play for the duration you set, and then shut off

### To turn off the unit before the preset

Press ALARM RESET • OFF.

timer has been activated

#### To change the sleep timer setting You can press SLEEP repeatedly to select the desired sleep timer setting even after the sleep

## To deactivate the sleep timer

Press **SLEEP** repeatedly to set the sleep timer to